



**Certification Excellence** (Pty) Ltd

Reg No: 2003/017585/07 VAT No: 436 024 4588

## **Product Inspection Audit Report**

Date of audit: 16 May 2013

Product Inspection Report No: 13/05/01

### **Purpose of the Audit**

Certex (Pty) Ltd was requested to conduct an investigation on the chemicals used for the production of three polyurethane products.

It was specifically requested to identify the blowing agents used in the production of the three (3) polyurethane products.

### **Detail of Sponsor of the Product Inspection**

Name of Company: **Rigifoam (Pty) Ltd; Incorporating Resichem CC**  
Address of Company: **3 Detroit Street, Apex, Benoni, Gauteng, South Africa.**

### **The identification of samples**

This report is restricted to the following products:

- Lambdaboard,
- PUR 32 HC Blocks, and
- PIR 32 HC Blocks.

### **Identification of the method used during the audit**

The product inspection audit was conducted on site, at the Benoni factory by the auditor. The following Manufacturing processes, Manufacturing data, and Records were sampled at random by the auditor, and inspected during the audit:

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**DIRECTORS: Dr. JG Auret, LF Hendrikz**

- The Breakdown of Raw Material Usage per m<sup>2</sup> of Board,
- Block Mould Log-sheets, Block Mixing Ratios Grades,
- Manufacturing Processes: MFP 170955, MFP 167174, PMF 170765, MFP 160995, PUR 32 HC, PIR 32 HC.
- Pentane / MDI Mixing Orders
- Job Cards, Production sheets, Bill of Materials Picking Slips.
- MSDS's

**Audit results**

- The blowing agents for the three polyurethane products were as follows:

Products	Blowing agent	Period under investigation, Years
Lambdaboard	n-Pentane	2010 - 2013
PUR 32 HC Blocks	C-Pentane	2010 - 2013
PIR 32 HC Blocks	C-Pentane	2010 - 2013


Note: 1. The conclusions made in this audit report relate only to the to the three products which were identified under the heading "The Identification of Samples", and to the documented evidence was requested at random and inspected by the auditor. Interviews with senior management and production staff were also held during the audit. The audit results are based on the Documentation and Information that was provided to the auditor, during this audit.

Note: 2. The audit report shall not be reproduced except in full, without written approval of Certex (Pty) Ltd.

**Conclusion:**

1. The only polyurethane blowing agent used for the manufacturing of Lambdaboard during the 2010 to 2013 period was n-Pentane.
2. The only polyurethane blowing agent used for the manufacturing of PUR 32 HC Blocks during the 2010 to 2013 period was C-Pentane.
3. The only polyurethane blowing agent used for the manufacturing of PIR 32 HC Blocks during the 2010 to 2013 period was C-Pentane.

**Auditor:** Karen Hendrikz, Bcom: Law, LLB (Attorney)



Date: 24/05/2013

**End of report.**